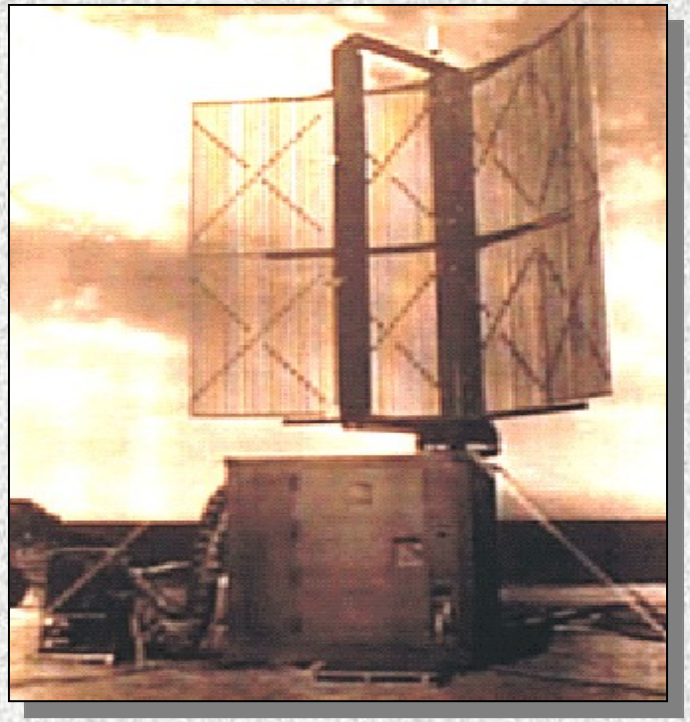
AN/TPS-63B

Air Surveillance Radar



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Where We Are Today

Safety (Antenna Tilt Arms)

Obsolescence

Northrop Grumman Contract

Future Projects

Safety Issue

Antenna Tilt Arms

- PQDR identified structural deficiencies and potential hazard
- NSWC Crane contracted with Northrop Grumman to deliver replacement assemblies
- 10 assemblies have been received and distributed to FMF and supporting estab
- Effort completed

Diminishing Manufacturing Sources (DMS) Study

- MCLB Albany contracted Litton TASC to conduct a DMS Study
- 10 potential Engineering Change Proposals (ECP) identified

- Converter, STC D/A
- H.V. Power Supply (FY02)
- Auto Sequencer CCA
- RF/IF RVCR Assy(FY02&3)
- Indicator Group**
- Grid Pulser and Filament Supply Assy.
- Turnoff Pulser
- Generator, Freq
- Encl, Assy, Processor
- Multilevel Power Supply

** Off the shelf replacement available (color raster display)

Awarded 5 year Engineering Services contract in 03/02 to provide better support for the AN/TPS-63 and improve equipment readiness.

- ECP development & Engineering trade study on the HV Power Supply and RF/IF RCVR CCA
  - RAM analysis
  - Supportability assessment
  - Impact assessment
  - Results in ECP or “as is” solution

Future Projects

Research & Development for FY03

- RF/IF Receiver 1A7 assembly
  - Replace or consolidate components
- Frequency Generator 1A1
  - YIG filter, diode switches
  - Level of effort dependent on available $$

Procurement (PMC) for FY03

- Results from FY02 HV Deck and RF/IF Rcvr assembly efforts
- NDI/COTS solutions available from NG
  - Low cost color maint display
  - Auto north alignment/position location/time tagging
  - Turn-Off Pulser ECP

- **Continue to monitor QDR submissions and failure data as indicators for potential problems**
- **Provide Northrop Grumman radar as GFE in support of engineering services contract**